

# Agricultural Chemical Usage

## 2003 Selected Field Crops

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(for the complete report, go to [www.nass.usda.gov](http://www.nass.usda.gov) and click on 'Environmental' on the gray column on the left)

## Oats

### Pesticides, Fertilizers, Pest Management Practices:

**Nitrogen:** Pennsylvania farmers applied nitrogen to 90 percent of the 140,000 acres of oats planted in 2005. Total nitrogen applied to oats in 2005 was 4.5 million pounds. The average rate per application was 33 pounds per acre with the average number of applications of 1.1.

**Potash:** Oat growers in the State applied potash to 82 percent of the 140,000 acres planted in 2005. The total amount applied was 5.1 million pounds at a rate of 45 pounds per acre per crop year.

**Phosphate:** Phosphate was applied to 81 percent of Pennsylvania's oat acres planted in 2005. Total phosphate applied to oats in 2005 was 4.9 million pounds.

**Pesticides:** Herbicides were applied to 58 percent of the oat acreage planted. 2,4-D was the most common herbicide applied with a total amount applied of 9,000 pounds on 16 percent of Pennsylvania's oat acreage.

Pennsylvania: Oats - Planted Acreage, Pesticide,  
Percent of Area Receiving Applications and Total Applied, 2005 <sup>1</sup>

Crop	Planted Acreage	Area Receiving and Total Applied					
		Herbicide		Insecticide		Fungicide	
	1,000 Acres	Percent	1,000 Lbs.	Percent	1,000 Lbs.	Percent	1,000 Lbs.
Oats	140	58	46	-	-	-	-

<sup>1</sup> Insufficient reports to publish data for one or more pesticide classes.

Pennsylvania: Oats - Fertilizer Primary Nutrient Applications, 2005

Primary Nutrient	Planted Acreage	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	1,000 Acres	Percent	Number	Pounds Per Acre		Million Lbs.
<b>Oats</b>	140					
Nitrogen		90	1.1	33	36	4.5
Phosphate		81	1.0	43	43	4.9
Potash		82	1.0	45	45	5.1
Sulfur		2	1.0	34	34	0.1

Pennsylvania: Oats - Agricultural Chemical Applications, 2005 <sup>1</sup>

Active Ingredient	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	Percent	Number	Pounds Per Acre	Pounds Per Acre	1,000 Lbs.
<b>Herbicides</b>					
2,4-D, dimeth. salt	16	1.0	0.378	0.387	9
2,4-DB, dimeth. salt	8	1.0	0.580	0.580	6
MCPA, dimethyl. salt	15	1.0	0.350	0.350	8

<sup>1</sup> Planted acreage in 2005 for Pennsylvania was 140,000 acres.